***COMPLETE IN NOTEBOOK! SHOW ALL WORK IN NOTEBOOK!***

CW61/HW61: Applying Simplifying Radicals

**Geometry**

Due: Wednesday, Feb 22nd

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| |  | | --- | | Find the length of the missing side. Leave your answer in the most simplified form.  6  4 |  1. Two students are solving the problem below:     Student A and Student B have their work shown below:   |  |  | | --- | --- | | Student A: | Student B: |   Do you agree with student A or student B? Explain. | | |
| 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.51.55%20PM.pn | 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.51.44%20PM.pn | 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.51.40%20PM.pn |
| 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.52.01%20PM.pn | 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.52.08%20PM.pn | 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.52.15%20PM.pn |
| 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.51.29%20PM.pn | 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.51.24%20PM.pn | 1. ../../../../Desktop/Screen%20Shot%202017-02-20%20at%202.51.17%20PM.pn |

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| Directions: Find the distance between the two given points. | | | |
| 1. (-3,1), (5,-1) | 1. (5,-3), (-1,6) | 1. (7,1), (7,-5) | 1. (7,6), (-6,-3) |
| 1. (4,5), (1,2) | 1. (3,-1), (7,-3) | 1. (-1,1), (1,-1) | 1. (8,4), (14,-1) |
| 1. Sarahi found the distance between two points on a coordinate plane to be Can this answer be simplified? Explain. | | | |

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| 1. Find the area of the shaded region below.   **../../../../../Desktop/Screen%20Shot%202016-01-09%20at%2011.27.30%20AM** | 1. Find the area of the shaded region if the radius of the circle is 2 units.  ../../../../Desktop/e0d6c36b-33f5-459a-aafc-0ff87541dca1.gif |